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NEWBURN  
URBAN DISTRICT COUNCIL.

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Annual Report  
OF THE  
Medical Officer of Health  
FOR THE YEAR 1934.

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Newcastle-upon-Tyne :  
TYNE PRINTING WORKS, LIMITED,  
82, Pilgrim Street.

—  
1935.



NEWBURN  
URBAN DISTRICT COUNCIL.

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Annual Report  
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FOR THE YEAR 1934.



# Newburn Urban District Council.

## HEALTH COMMITTEE.

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COUNCILLOR C. BARRY BOYCE, Chairman.

- „ JOHN RODGERS, Deputy Chairman.
  - „ RICHARD BROWELL, J.P.
  - „ JOHN CURLEY.
  - „ MARGARET ELIZABETH KERR.
  - „ JAMES MITFORD.
  - „ SYDNEY CHARLES WATSON.
- 

## STAFF OF THE PUBLIC HEALTH DEPARTMENT.

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- |  |    |   |
|--|----|---|
| Medical Officer of Health                    | •  | ANDREW I. MESSER, M.A., M.B.,<br>CH.B., D.P.H.  |
| Chief Sanitary Inspector                     | .. | THOMAS W. WALTON,<br>M.R. SAN. I., M.I.H., M.S.I.A.<br>Certified Meat Inspector.                            |
| Additional Sanitary<br>Inspector             | .. | FRED JAMES, A.R. SAN. I.,<br>M.S.I.A.,<br>(Appointed 9th April, 1934)                                       |
| „ „  | .. | WILLIAM N. LOCKEY,<br>M.R. SAN. I., M.S.I.A.<br>Certified Meat Inspector.<br>(Resigned 28th February, 1934) |
| Health Visitor and<br>Welfare Superintendent |    | MISS R. E. STEAD, A.R. SAN. I.<br>Member College of Nursing.  |



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# Newburn Urban District Council.

## Medical Officer of Health's Report, 1934.

*To the Chairman and Members of the  
Health Committee.*

MR. CHAIRMAN, MADAM AND GENTLEMEN,

I have to submit the Annual Report for the year 1934,  
on the work of the Health Department.

This is an ordinary Report, as defined in the Ministry  
of Health Circular 1417 dated 25th October, 1934.

### NATURE AND SOCIAL CONDITIONS OF THE AREA.

#### (a) AREA.

The area of the district is as follows :—

Ward.	Parish.	Area in Acres.
Newburn ..	Newburn ..	.. 618
Newburn Hall	Newburn Hall	.. 711
Throckley and	Throckley ..	.. 771
Walbottle ..	Walbottle ..	.. 1419
Denton ..	East Denton	.. 764
	Sugley ..	.. 60
	West Denton	.. 329
Total		.. 4672

## (b) POPULATION.

The mid-year population is estimated by the Registrar General to be 19,760.

The following table shows the actual census populations for the years 1921 and 1931, the estimated population 1934 and the number of persons per acre in 1934 in each ward.

Ward.	Population.		Estimated Population Mid 1934.	Persons per Acre 1934.
	1921 Census.	1931 Census.		
Newburn .. ..	4523	5520	5610	9.0
Newburn Hall ..	4164	3421	3375	4.0
Throckley and Walbottle .. ..	5720	4842	4872	2.2
Denton .. ..	4423	5759	5903	5.1
Totals ..	18830	19542	19760	4.2

## (c) PHYSICAL CHARACTERISTICS AND GENERAL CHARACTER OF THE DISTRICT.

The Urban District is situate on the North bank of the River Tyne and is undulating in character varying from approximately sea level to between 400 and 500 feet above ordnance datum.

The district is bisected by the main Carlisle-Newcastle road, constructed on the site of the Roman Wall of Hadrian.

## (d) NUMBER OF INHABITED HOUSES.

The following table shows the number of inhabited houses in the area according to the rate book at 31st March, 1935, the number in each ward and the average number of persons per house.

Ward.	Estimated Population.	No. of houses.	Average No. of persons per house
Newburn .. ..	5,610	1,399	4.0
Newburn Hall ..	3,375	799	4.2
Throckley and Walbottle .. ..	4,872	1,186	4.1
Denton .. ..	5,903	1,645	3.5
Whole District	19,760	5,029	3.9



## (e) RATEABLE VALUE.

The rateable value of the district at the close of the year was £87,361 and the amount produced by a penny rate £325.

## (f) SOCIAL CONDITIONS.

The district is chiefly industrial, the majority of the adult male population being connected with the mining and engineering industries. In addition a number are employed in brickmaking and at the glassworks.

I am indebted to the Manager of the local Employment Exchange for the following particulars relating to unemployment in the district :—

No. of persons unemployed at the end of December, 1934 :

Men.	Young Men.	Boys.	Women.	Young Women.	Girls.
1,214	63	39	29	18	74
Total :—1,437.					

## (g) VITAL STATISTICS.

Table I. shews the vital statistics of the district as compared with those of England and Wales, London, 121 great towns and 135 smaller towns.

Table II. shews a comparison of the vital statistics of the district for the past ten years.

(1) *Deaths.*

Table III. shews the causes of and ages at death of residents belonging to the district, as registered during 1934, together with the distribution of the deaths to each ward. The table is corrected for outward and inward transfers.

It will be seen that 254 deaths occurred, 133 were males and 121 females. This gives a crude death rate of 12.85 (as compared with 12.96 for 1933) and a standardised death rate of 14.77.

(2) *Births*

The following figures show the particulars relating to births during the year and set out in the prescribed manner to comply with circular 1417.

		Total	M	F	
Live Births	Legitimate	283	138	145	Birth rate per 1,000 of the estimated resident population 15.03
	Illegitimate	14	8	6	
Still Births	Legitimate	19	12	7	Rate per 1,000 total (live & still) births 66.03
	Illegitimate	2	1	1	

(3) *Infant Mortality.*

Table 4 shews the causes of and ages at deaths of infants under one year during 1934.

21 Legitimate deaths and 1 Illegitimate death, making a total of 22, gives an infantile mortality rate of 74.07 per 1,000 live births, compared with 87 for the year 1933.

The death rate of legitimate infants per 1,000 legitimate live births is 74.2 and the death rate of illegitimate infants per 1,000 illegitimate live births is 71.4.

NEWBURN URBAN DISTRICT COUNCIL.

TABLE I.

Comparative Table of Life Statistics, 1934.

Birth rate per 1,000 Total Population.			ANNUAL DEATH RATE PER 1,000 POPULATION.										RATE PER 1,000 LIVE BIRTHS.	
	Live Births.	Still Births.	All Causes.	Typhoid and Paraty- phoid Fever.	Small- Pox.	Measles.	Scarlet Fever.	Whoop- ing Cough.	Diph- theria.	Influenza.	Violence.	Diar- rhea and Enteritis (Under 2 years).	Total Deaths under 1 year.	
England and Wales ..	14.8	0.62	11.8	0.00	0.00	0.09	0.02	0.05	0.10	0.14	0.54	5.5	59	
121 County Boroughs and Great Towns, in- cluding London ..	14.7	0.66	11.8	0.00	0.00	0.12	0.02	0.06	0.11	0.12	0.47	7.4	63	
135 Smaller Towns (Esti- mated Resident Popu- lations 25,000—50,000 at Census 1931) ..	15.0	0.67	11.3	0.00	0.00	0.07	0.02	0.04	0.09	0.14	0.42	3.6	53	
London .. ..	13.2	0.50	11.9	0.00	0.00	0.20	0.02	0.07	0.11	0.12	0.56	12.6	67	
NEWBURN .. ..	15.0	1.06	*14.77	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.80	3.3	74	

\* Standardised Death Rate.

# NEWBURN URBAN DISTRICT COUNCIL.

TABLE II.

Vital Statistics of Whole District during 1934 and Nine previous years.

Year.	Population estimated to middle of each year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.			
		Un- corrected Number.	Nett.		Number	Rate.	Of non- residents registered in the District.	Of resi- dents not registered in the District.	Under 1 yr. of age.		At all ages.	
			Number.	Rate.					Number.	Rate per 1,000 Births.		
1	2	3	4	5	6	7	8	9	10	11	12	13
1925	20,570	388	402	19.54	204	9.91	8	39	27	67	235	11.42
1926	20,950	388	416	19.86	223	10.64	35	33	42	101	221	10.54
1927	21,120	339	367	17.38	149	7.05	7	41	30	82	183	8.66
1928	20,450	361	397	19.41	201	9.82	7	47	39	98	241	11.78
1929	20,340	290	317	15.58	186	9.14	12	49	22	69	223	10.96
1930	20,340	329	345	16.91	174	8.55	9	50	20	57	215	10.57
1931	†19,720	291	335	16.78	202	10.24	9	47	27	80	240	12.17
1932	19,570	318	303	15.48	188	9.60	11	47	22	72	224	11.44
1933	19,670	318	333	16.92	209	10.62	13	59	29	87	255	12.96
1934	19,760	288	297	15.03	193	9.76	4	63	22	74	254	12.85

† Census Population, 19,539.



TABLE III.

Causes of, Ages at, and Distribution of Deaths during the Year 1934.

CAUSES OF DEATH.	SEX.		NETT DEATHS BELONGING TO DISTRICT AT SUBJOINED AGES.								WARD.				
	Male.	Female.	At all ages.	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	Newburn.	Wal-bottle & Throck-ley.	Newburn Hall	Denton.
Typhoid and Paratyphoid Fevers	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Measles .. ..	2	..	2	..	1	1	..	..	..	..	..	1	..	1	..
Scarlet Fever .. ..	1	4	5	..	..	1	3	..	..	..	..	..	2	2	1
Whooping Cough .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Influenza .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Encephalitis Lethargica..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebo-Spinal Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of the Respiratory System	12	4	16	..	..	..	..	3	8	4	1	6	3	3	4
Other Tuberculous Diseases ..	3	4	7	..	1	..	3	2	1	..	..	5	..	1	1
Syphilis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General Paralysis of the Insane Tabes Dorsalis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cancer Malignant Disease .. ..	15	12	27	..	..	..	..	..	1	13	13	6	7	6	8
Diabetes .. ..	..	1	1	..	..	..	..	..	..	1	24	1	9	2	5
Cerebral Hæmorrhage, etc.	11	21	32	..	..	..	..	..	..	8	21	16	7	9	12
Heart Disease .. ..	14	22	36	..	..	..	..	2	..	13	21	8	..	9	1
Aneurysm.. ..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..
Other Circulatory Diseases .. ..	6	4	10	..	..	..	1	..	..	7	..	3	3	..	4
Bronchitis.. ..	8	6	14	1	..	..	1	..	..	4	8	2	7	3	2
Pneumonia (all forms) .. ..	11	5	16	4	3	..	1	1	1	1	5	5	2	2	7
Other Respiratory Diseases .. ..	1	1	2	..	..	..	1	..	..	1	1	1	..	1	1
Peptic Ulcer .. ..	1	1	2	..	..	..	..	..	..	2	..	..	1	..	..
Diarrhœa, etc. (under 2 years)	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Appendicitis .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cirrhosis of Liver .. ..	1	..	1	..	..	..	..	..	..	..	1	1	..	..	..
Other Diseases of Liver etc.	1	1	2	..	..	..	..	..	..	..	1	..	..	1	1
Other Digestive Diseases .. ..	1	5	6	..	..	..	1	..	..	2	3	2	1	1	2
Acute and Chronic Nephritis ..	3	5	8	..	..	..	..	2	..	6	2	1	1	2	4
Puerperal Sepsis .. ..	..	2	2	..	..	..	..	..	..	..	..	1	..	1	..
Other Puerperal Causes .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Congenital Debility and Malformation, Premature Birth .. ..	9	7	16	16	..	..	..	..	..	..	..	3	3	4	6
Senility .. ..	3	6	9	..	..	..	..	..	..	..	9	4	3	..	2
Suicide .. ..	1	..	1	..	..	..	..	..	..	1	..	..	..	..	1
Other Violence .. ..	13	2	15	..	..	..	1	2	5	5	2	1	5	4	5
Other Defined Diseases..	11	5	16	..	..	1	..	1	4	5	3	5	2	2	7
Causes ill-defined or unknown..	4	2	6	..	..	1	..	..	1	1	3	1	1	2	2
Totals .. ..	133	121	254	22	5	4	12	14	21	74	102	73	57	47	77

NEWBURN URBAN DISTRICT COUNCIL.

## TABLE IV.

## Infant Mortality, 1934.

CAUSE OF DEATH.		Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1—3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
All Classes	{ Certified	..	..	..	..	..	..	..	..	..	..
	{ Uncertified	..	..	..	..	..	..	..	..	..	..
Measles	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough	..	..	..	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..	..	..	..
Influenza	..	..	..	..	..	..	..	..	..	..	..
Meningitis	..	..	..	..	..	..	..	..	..	..	..
Tubercular Meningitis	..	..	..	..	..	..	..	..	..	..	..
Abdominal Tuberculosis	..	..	..	..	..	..	..	..	..	..	..
Other Tuberculous Disease	..	..	..	..	..	..	..	..	..	..	..
Bronehitis	..	..	..	..	..	..	..	..	1	..	1
Pneumonia	..	..	..	..	..	..	..	4	..	..	4
Diarrhoea	..	..	..	..	..	..	..	1	..	..	1
Enteritis	..	..	..	..	..	..	..	..	..	..	..
Congenital Malformations	..	3	1	..	..	4	..	..	..	..	4
Premature Birth	..	8	1	..	..	9	1	..	..	..	10
Atrophy, Debility and Marasmus	..	1	..	..	..	1	..	..	..	..	1
Convulsions	..	..	1	..	..	1	..	..	..	..	1
Other Causes	..	..	..	..	..	..	..	..	..	..	..
Totals	..	12	3	..	..	15	1	5	1	..	22

	{	Legitimate	..	21
	{	Illegitimate	..	1

Net Births in the Year

Infantile Death Rate (per 1,000 Births) .. 74



## GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

The information required under this heading was given in detail in the report for 1930, and no material alterations have since been made.

### (1) *Public Health Officers of the Local Authority.*

The following table shewing the various public health officers of the Council is again reprinted in accordance with circular 1417 of the Ministry of Health.

Office.	Officer.	Qualifications.	Whole or Part-Time.
Medical Officer of Health. Medical Officer, Child Welfare Centres.	Andrew I. Messer.	M.A., M.B., Ch.B., D.P.H.	Part-Time.
Chief Sanitary Inspector. Housing Inspector. Meat and Foods Inspector.	Thomas W. Walton.	Sanitary Inspector's Certificate, Royal Sanitary Institute and Sanitary Inspectors' Examin- ation Joint Board. Meat Inspector's Certificate, Royal Sanitary Institute. Sanitary Science as Applied to Buildings and Public Works Certificate, Royal Sanitary Institute. Diploma in General Hygiene (honours), Institute of Hygiene. Certificates : Building Construction, Build- ers Quantities, etc.	Whole Time.

[Continued.]

(1) *Public Health Officers of the Local Authority.—Continued.*

Office.	Officer.	Qualifications.	Whole or Part-Time.
Additional Sanitary Inspector.	Fred James.	Sanitary Inspector's Certificate, Royal Sanitary Institute & Sanitary Inspectors' Examination Joint Board. Certificates : Sanitation, etc.	Whole Time.
Health Visitor.	Miss R. E. Stead.	Health Visitor's and School Nurse's Certificate, Royal Sanitary Institute. Massage Certificate. Obstetric Nursing Certificate.	Whole Time.
Dental Surgeon. Child Welfare Centres.	H. Davis, Esq.	L.D.S.	Part Time

(2) *Legislation in Force.*

The following adoptive legislation, etc., is in force in the district. The table has been amended in accordance with the records of the Council.

LEGISLATION.	DATE OF ADOPTION.
Infectious Diseases (Prevention) Act, 1890 ..	1st November, 1893.
Public Health Acts (Amendment) Act, 1890.	1st September, 1893.
Private Street Works Act, 1892 .. ..	1st February, 1895.
Public Health Acts (Amendment) Act, 1907.	
Part 2.—Sections 15, 16, 17, 22, 27, 32 ..	} 1st April, 1909.
Part 3.—Sections 34-47, 49... ..	
Part 4.—Sections 52-60, 62-68 .. ..	} 3rd April, 1922.
Part 2.—Section 21 .. ..	
Part 3.—Section 51 .. ..	28th October, 1922.
Part 6.—Sections 76 & 77 .. ..	} 27th March, 1923.
Part 10.—Section 95 .. ..	
Part 8.—Sections 87 to 90 .. ..	5th September, 1922.
Part 2.—Section 25 .. ..	} 21st November, 1927.
Part 3.—Section 50 .. ..	
Public Health Act, 1925.	
Part 6—Section 56 .. ..	By virtue of Part 6 P.H.A. (Amendment) Act, 1907 in force.
Part 2.—Section 20 .. ..	} 1st January, 1928.
Part 3.—Sections 36 to 39, & 42 to 44 ..	
Part 4.—Sections 45 to 49 & 54 to 55 ..	} 11th April, 1930.
Part 2.—Sections 21 & 22 .. ..	
Part 2.—Sections 13 to 19 & 23 to 35 ..	1st June, 1932.
<b>Bye-Laws.</b>	
Cleansing of Footways and Pavements ..	16th September, 1888.
Removal of House Refuse .. ..	do. do.
Cleansing of Earth Closets, Privies, Ashpits and Cesspools .. ..	do. do.
Common Lodging Houses .. ..	do. do.
Cemetery .. ..	1st May, 1906.
Pleasure Grounds .. ..	25th September, 1908.
Offensive Trades .. ..	5th August, 1923.
New Streets and Buildings .. ..	2nd September, 1924.
Nuisances .. ..	20th August, 1928.
Slaughterhouses .. ..	12th October, 1928.

(3) *Laboratory Facilities.*

Laboratory facilities are provided at the Laboratory of the Northumberland County Council in High St., Newburn.

## SANITARY CONDITION OF THE AREA.

This is dealt with in the Chief Sanitary Inspector's Report, which is given as an appendix to this Report.

## HOUSING.

This is dealt with in the appendix.

## INSPECTION AND SUPERVISION OF FOOD

This is dealt with in the appendix.

## PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

### (a) NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING 1934.

Table 5 shews the number of cases of infectious disease notified during the year 1934.

NEWBURN URBAN DISTRICT COUNCIL.

TABLE V.

Cases of Infectious Disease notified during the year 1934.

DISEASE.	NUMBER OF CASES NOTIFIED.												NUMBER OF CASES NOTIFIED IN EACH WARD.				Total Cases Removed to Hospital.	No. of Deaths.	
	At all Ages.	AGE GROUPS.											Denton.	Newburn.	Newb'n H.	Throckley and Walbottle.			
		Under 1 Year	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65							65 and over.
Smallpox . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever . . . . .	123	1	3	9	3	60	17	7	8	1	1	1	33	26	22	42	109	5	..
Diphtheria . . . . .	23	..	1	..	..	8	11	1	1	..	3	2	14	5	1	3	22	..	..
Erysipelas . . . . .	11	..	..	..	..	..	..	..	3	3	3	3	4	2	2	3	..	..	..
Pneumonia . . . . .	32	3	3	1	1	6	3	3	5	1	3	3	9	14	3	6	..	16	..
Encephalitis Lethargica . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Pyrexia . . . . .	2	..	..	..	..	..	..	..	2	..	..	..	1	1	..	..	2	2	..
Ophthalmia Neonatorum . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dysentery . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro Spinal Fever . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS . . . . .	191	4	7	10	4	16	74	31	11	19	5	7	61	48	28	54	133	23	..



## (b) BACTERIOLOGICAL EXAMINATIONS.

The local medical practitioners continue to avail themselves of the facilities afforded by the Northumberland County Council for the bacteriological examinations of specimens from suspected cases of infectious disease

The following statement shows the number of specimens submitted for examination during the year 1934, together with figures for the preceding four years.

Year.	Tuberculosis.		Diphtheria.		Enteric Fever.	
	Total.	Positive.	Total.	Positive.	Total.	Positive.
1930	46	9	10	1	4	3
1931	52	14	12	1	3	2
*1932	76	13	9	3	2	..
1933	75	13	12	..	3	2
1934	101	25	65	13	..	..

\* Also 1 Cerebro Spinal Fluid Positive.



## (c) TUBERCULOSIS.

(1) *Public Health (Tuberculosis) Regulations, 1930.*

During the year, 52 new cases have been notified, 32 pulmonary and 20 non-pulmonary cases.

The following statement shows the number of new cases notified for the five years 1930-1934

Year.	Pulmonary.	Non-Pulmonary.	Total.
1930	36	22	58
1931	42	27	69
1932	38	15	53
1933	28	11	39
1934	32	20	52

The following table shows the age distribution of the 52 new cases and of the deaths of persons certified to be due to tuberculosis.

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
0-	..	..	..	..	..	..	..	..
1-	..	..	4	..	..	..	2	..
5-	5	2	2	7	..	..	..	2
15-	5	4	1	1	2	1	1	1
25-	2	4	2	1	3	1	..	1
35-	3	..	..	..	2	2	..	..
45-	3	1	1	..	3	..	..	..
55-	1	1	1	..	1	..	..	..
65 & over	1	..	..	..	1	..	..	..
Totals	20	12	11	9	12	4	3	4

Of the 23 deaths registered during the year, 19 were of notified cases and 4 of non-notified cases.

Table 6 shews the localisation and ward distribution of the new cases notified.

The following statement shews particulars of cases of Tuberculosis as appearing in the T.B. Register and supplied to the County Medical Officer of Health each quarter in accordance with the Regulations.

It will be seen that there was a nett increase of 15 pulmonary and 17 non-pulmonary cases during the year.

The table shews that at the 31st December, 1934, there were, according to the records of the Department, 205 cases of pulmonary and 143 cases of non-pulmonary tuberculosis resident within the district.

The 22 cases removed from the Register during the year were for the following reasons:—

Cases Fatal . . . . .	19
Patients Recovered . . . . .	3
	<hr/>
	22

PARTICULARS OF TUBERCULOSIS REGISTER.

Date.		Pulmonary.			Non-Pulmonary			Total Pulmonary and Non-Pulmonary Cases.
		M.	F.	Total.	M.	F.	Total.	
31/12/33	Cases on Register ..	101	89	190	72	54	126	316
	New cases notified ..	5	2	7	2	..	2	9
	Un-notified & other cases added to Register ..	..	..	..	..	..	..	..
	Old cases removed ..	4	4	8	1	..	1	9
31/3/34	Cases remaining on Register .. ..	102	87	189	73	54	127	316
	New cases notified ..	7	5	12	3	3	6	18
	Un-notified & other cases added to Register ..	2	..	2	..	..	..	2
	Old cases removed ..	5	1	6	..	..	..	6
30/6/34	Cases remaining on Register .. ..	106	91	197	76	57	133	330
	New cases notified ..	3	1	4	3	1	4	8
	Un-notified & other cases added to Register ..	..	..	..	..	..	..	..
	Old cases removed ..	1	..	1	..	..	..	1
30/9/34	Cases remaining on Register .. ..	108	92	200	79	58	137	337
	New cases notified ..	5	4	9	3	5	8	17
	Un-notified & other cases added to Register ..	..	..	..	..	..	..	..
	Old cases removed ..	3	1	4	1	1	2	6
31/12/34	Cases remaining on Register .. ..	110	95	205	81	62	143	348

TABLE VI.  
PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.  
Details of Primary Notifications received during the year, 1934.

Quarter Ending.	PULMONARY CASES.			NON-PULMONARY CASES.						GRAND TOTAL.					PULMONARY CASES.					NON-PULMONARY CASES.				
	Lungs.	Larynx.	Total.	Knee & Foot.	Spine.	Thigh & Hip.	Neck.	Abdomen.	Meninges.	Total.	Pulmonary and Non-Pulmonary Cases.	Ward.				Total.	Ward.				Total.			
												Newburn.	Newburn Hall	Walbotlle and Throckley.	Denton.		Newburn.	Newburn Hall	Walbotlle and Throckley.	Denton.				
31/3/34	7	..	7	..	..	..	..	1	1	2	9	3	1	2	1	7	1	..	..	1	2	Whole District.		
30/6/34	12	..	12	..	..	1	1	4	..	6	18	8	2	..	2	12	3	..	1	1	6	Whole District.		
30/9/34	4	..	4	..	..	..	..	4	..	4	8	3	1	..	..	4	3	..	1	1	4	Whole District.		
31/12/34	9	..	9	2	1	1	..	2	2	8	18	2	4	1	2	9	4	2	1	1	8	Whole District.		
Totals	32	..	32	2	1	2	1	11	3	20	53	16	8	3	5	32	11	2	3	4	20	Whole District.		

Pulmonary Cases—Males 20  
Females 12  
—  
32

Non-Pulmonary Cases—Males 11  
Females 9  
—  
20

(2) *Public Health (Prevention of Tuberculosis) Regulations, 1925.*

No action was necessary under these Regulations during the year.

(3) *Public Health Act, 1925.*

No action was necessary under this Section during the year.

(4) *Tuberculosis Scheme.*

The tuberculosis scheme is administered by the North-umberland County Council.

(d) VACCINATION.

The Vaccination Officer, Mr. R. J. Harrison has given me the following statement regarding vaccination for 1934.

Number of Births .. .. .	302
Number vaccinated .. .. .	59
Number exempted .. .. .	171
Number Dead before being vaccinated .. .. .	12
Number postponed .. .. .	6
Number removed out of the district . . . . .	12



## MATERNITY AND CHILD WELFARE.

Hospital accommodation is available under an arrangement with the Princess Mary Maternity Hospital, Newcastle-upon-Tyne, for all types of maternity cases, the Council making up to the hospital any deficiency in the fees payable by the patient. During the year, 30 cases were admitted. Of these, 11 were normal cases where confinement at home was deemed inadvisable, 19 were cases where complications existed or were anticipated.

### (a) NOTIFICATION OF BIRTHS ACT.

Table VII. shews the number of notifications received and the visits paid by the Health Visitor under the above Act, during the year as compared with the number of births registered.

Number of Births Registered :—

		Males.	Females.	Total.
Legitimate	..	138	145	283
Illegitimate	..	8	6	14
		—	—	—
Totals	..	146	151	297

### (b) MATERNITY AND CHILD WELFARE CENTRES.

Child Welfare Centres have been established at the following places and are open at times stated :—

Address.	Day and Time.
Wesleyan Chapel, Stamfordham Road, Westerhope.	Monday, 1 to 4 p.m.
Adult School Settlement, Montague Street, Lemington.	Wednesday, 1 to 4 p.m.
Wesleyan Chapel, Hexham Road, Throckley.	Thursday, 1 to 4 p.m.

The following statement shews the attendances of expectant mothers and infants at the Centres for the last five years.

	Westerhope.			Lemington.			Throckley.			Total.		
Year.	Under 1 year.	Others	Total	Under 1 year.	Others	Total	Under 1 year.	Others	Total	Under 1 year.	Others	Total
1930	504	223	727	1884	1222	3106	1268	760	2028	3656	2205	5861
1931	660	305	965	1419	801	2220	1090	612	1702	3169	1718	4887
1932	874	536	1410	1416	769	2185	1069	610	1679	3359	1915	5274
1933	724	534	1308	2207	930	3137	1205	680	1885	4136	2194	6330
1934	638	491	1129	1677	1047	2724	1173	695	1868	3488	2233	5721
Totals	3400	2139	5539	8603	4769	13372	5805	3357	9162	17808	10265	28073

In addition the following mothers attended for advice without their babies :—

Westerhope	..	..	172
Lemington	..	..	637
Throckley	..	..	285
		—	1094

#### (c) MATERNAL MORTALITY.

Two cases of Puerperal Pyrexia were notified during the year. Both were removed to hospital and subsequently proved fatal, the cause of death in each case being registered as Puerperal Seplicaemia. The maternal mortality rate is 6.28 per 1,000 total births.

#### (d) OPHTHALMIA NEONATORUM.

No cases of Ophthalmia Neonatorum were notified during the year.



NEWBURN URBAN DISTRICT COUNCIL.

TABLE VII.

Particulars of Work carried out under the Notification of Births Act, 1907.

	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.
Number of Births notified .. ..	24	27	31	22	28	24	20	25	21	23	20	23	288
Number of Births not notified .. ..	2	3	1	2	2	4	2	1	2	2	..	..	21
Number of Births notified by Doctors, etc. ..	10	14	16	8	18	12	10	11	10	12	13	11	145
Number of Births notified by Midwives ..	14	13	15	14	10	12	10	14	11	11	7	12	143
Number of Stillborn .. ..	4	..	..	2	2	1	1	1	1	1	1	..	14
Number of first visits to Infants .. ..	22	35	23	28	31	20	28	22	18	21	27	16	291
Number of re-visits to Infants .. ..	61	73	102	108	130	96	69	100	58	56	106	71	1030
Number of visits to Children 1—5 years ..	72	154	122	125	199	107	110	145	101	77	159	93	1464
Number of first visits to Expectant Mothers	..	1	3	..	2	..	..	2	..	1	3	..	12
Number of re-visits to Expectant Mothers ..	1	..	1	1	6	1	1	2	..	3	4	..	20
Casual visits of Health Visitor .. ..	28	37	27	27	38	33	18	32	15	19	22	26	322

## (e) DENTAL TREATMENT.

The scheme of Dental Treatment continues its good work with steadily increasing numbers.

The Council's Dental Surgeon (H. Davis, Esq., L.D.S.) reports the following work done during the year 1934 :—

Number of Patients attending	.	116
Number of Attendances	.	172
Number of Extractions with Local Anæsthetics	.	378
Number of Fillings	.	28

In addition, scalings and dental dressings were carried out where necessary. Much time is also spent addressing the mothers on the importance of regular dental inspections and treatment of their children up to school age.

## (f) CHILDRENS ACT, 1908. PART I.

The administration of this portion of the above Act is undertaken by the Council. Two children were on the register at the close of the year.

The Council's Health Visitor, Miss Stead, visits all cases where infants are received for reward.

ANDREW I. MESSER,

MEDICAL OFFICER OF HEALTH.

*May, 1935.*

## APPENDIX.

# Newburn Urban District Council.

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## Chief Sanitary Inspector's Report, 1934.

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TO DR. A. I. MESSER, M.B.

SIR,

I beg to submit to you my Annual Report for the year ending December 31st, 1934.

This is an ordinary report as defined by Circular 1417 of the Ministry of Health, dated 25th October, 1934.

### SANITARY CIRCUMSTANCES OF THE DISTRICT.

#### (a) WATER SUPPLY.

The whole area is supplied with water from the mains of the Newcastle & Gateshead Water Company, with the exception of the Smallpox Hospital and a few farms.

#### (b) RIVERS AND STREAMS.

Complaints have been received regarding the offensive state of Lemington Gut, due to the discharge of sewage into the river.

The Surveyor is dealing with the matter with a view to effecting a remedy.

## (c) DRAINAGE AND SEWERAGE.

The general character of the drainage is good with the exception of the older properties.

The whole of the sewage of the area discharges into the River Tyne after preliminary screening.

## (d) CLOSET ACCOMMODATION.

At the close of the year there were 5,053 water closets, 53 pail closets and 250 privies in use in the district.

## (e) COLLECTION AND DISPOSAL OF HOUSE REFUSE.

During the year an attempt was made to persuade the owners of houses where fixed ashpits were provided to abolish these and substitute portable ash bins. The attempt has been very successful, 176 ashpits being abolished. I hope to be in a position at the end of 1935 to report that there are no fixed ashpits remaining in the district. This should tend to reduce the refuse collection costs as the occasional fixed ashpit interferes with an organised system for collecting refuse from an area where bins are the general type of storage receptacle.

The refuse collection and disposal is carried out by the Surveyor's Department.

## (f) SANITARY INSPECTION OF DISTRICT

(1) *Number and Nature of Inspections.*

Premises.	Visits.
Housing Inspections under the Regulations of 1925 .. .. .	54
Visits and Re-visits under the Public Health Acts, etc. .. .. .	792
Shops and Food Stores .. .. .	166
Dairies, Cowsheds and Milkshops ..	281
Slaughterhouses .. .. .	392
Tents and Vans, etc. .. .. .	14

Offensive Trades	..	..	..	31	
Factories and Workshops	..	..	..	59	
Keeping of Animals	..	..	..	14	
Refuse Receptacles	..	..	..	437	
Offensive Accumulations	..	..	..	7	
Smoke Nuisances	..	..	..	8	
				—	2255
Visits <i>re</i> Infectious Disease	..	..	..	165	
Visits <i>re</i> Disinfection	..	..	..	191	
Visits <i>re</i> Verminous Premises	..	..	..	129	
				—	485
Visits <i>re</i> Milk Samples	..	..	..	204	
Drains Tested	..	..	..	22	
				—	226
					—
Total	..				2966

(2) *Number of Notices served.*

To secure the abatement of nuisances and the removal of defects and conditions dangerous to health, the following action was taken in respect of 726 defects:—

Informal Notices	..	..	..	96
Letters or Interviews	..	..	..	300

*Statutory Notices.*

Section 17, Housing Act, 1930	..	..	2
Section 36, Public Health Act, 1875	..	..	1
Section 22, Public Health Amendment Act, 1890.			1
Section 39, Public Health Acts (Amendment) Act, 1907.			11
			—
Total	..		15



(3) *Record of Works Completed.*

The following statement shows details of the works carried out as a result of the action taken above:—

Complaints attended to	..	..	..	123
------------------------	----	----	----	-----

*Drainage :—*

W.C. drains cleansed	..	..	..	14
Yard drains repaired	..	..	..	21
Yard drains cleansed	..	..	..	15
Choked gullies cleansed	..	..	..	16
New gullies provided	..	..	..	1
New drains laid	..	..	..	11
Gully grates provided	..	..	..	11
Inspection chambers provided	..	..		2
Cesspools made watertight	..	..		1
Inspection Chamber covers renewed	..			1

*Sanitary Conveniences :—*

W.C. Pans refixed	..	..	..	9
W.C. Seats repaired	..	..	..	10
W.C.'s provided complete	..	..	..	11
W.C. Pans provided	..	..	..	4
W.C. Cone joints repaired	..	..		4
W.C. Cisterns repaired	..	..	..	6
W.C. Burst pipes repaired	..	..		6
W.C. Structures repaired	..	..	..	20
Privies abolished	..	..	..	12
W.C. Cisterns re-newed	..	..	..	1
Sanitary Convenience cleansed	..	..		1

*Refuse Receptacles :—*

Open ashpits abolished	..	..	..	3
Covered ashpits abolished	..	..		173
Portable ashbins provided	..	..		187
Bins repaired	..	..	..	3
Ashbins renewed	..	..	..	27
Privy ashpits repaired	..	..	..	1



*Housing :—*

Yard surfaces repaired .. ..	23
External Brickwork repaired .. ..	11
Ceilings repaired .. ..	18
Plaster repaired .. ..	70
Roofs repaired .. ..	27
Internal woodwork repaired .. ..	4
Food Stores repaired .. ..	8
Ovens repaired .. ..	18
Windows overhauled and repaired ..	102
Nuisances from dampness abated ..	17
Waste pipes repaired .. ..	16
Insanitary woodwork to sinks repaired..	11
Staircases and handrails repaired ..	3
Ventilated Foodstores provided .. ..	43
Washing Accomodation provided ..	32
Overcrowding abated .. ..	1
Eaves gutters repaired and cleansed ..	21
Rainwater pipes repaired .. ..	38
Fireplaces repaired .. ..	32
Floors repaired .. ..	15
Washing coppers repaired.. ..	7
Doors repaired .. ..	24
External steps and staircases repaired ..	6
New scullery sinks provided .. ..	18
Scullery Sinks renewed .. ..	4
Water Supply :—Burst pipes and taps repaired .. ..	11
Floors ventilated .. ..	7
Dirty premises cleansed .. ..	11

*Cowsheds, Dairies and Milkshops :—*

Cowsheds cleansed and limewashed ..	60
Floors altered and reconstructed ..	4
Contravention of Milk & Dairies Order	1
Notices to cleanse cows .. ..	5
Cowsheds reconstructed .. ..	2

*Slaughterhouses :—*

Infringement of Bye-law 9 .. ..	4
Contravention of Meat Regulations ..	1

*Bakehouses :—*

Cleansed and limewashed .. ..	2
-------------------------------	---

*Offensive Trades :—*

Premises cleansed and limewashed ..	1
Offal receptacles provided .. ..	2

*Piggeries :—*

Cleansed and limewashed .. ..	1
-------------------------------	---

*Food Premises and Shops :—*

Sleeping premises used as shop .. ..	2
Yard surface relaid .. ..	1
Premises Cleansed .. ..	1

*Miscellaneous :—*

Sanitary accommodation provided at factory .. ..	1
Accumulation removed .. ..	8
Manure pit covered .. ..	1
Toys on rag cart .. ..	1
Verminous premises cleansed .. ..	2
Caravans moved .. ..	3
Rooms fumigated .. ..	240

## (g) PLACES OF PUBLIC ENTERTAINMENT.

In accordance with Circular 120 of the Ministry of Health, the three cinemas in the district have been periodically visited.

## (h) FACTORIES, WORKSHOPS AND WORKPLACES.

(1) *Inspection of Factories, Workshops and Workplaces.*

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Occupiers prosecuted. (4)
Factories (including Factory Laundries) .	14	2	—
Workshops (including Workshop Laundries)	24	—	—
Workplaces (other than Outworkers' premises)	11	—	—
Total .	59	2	—

(2) *Defects found in Factories, Workshops and Workplaces.*

Particulars.  (1)	Number of Defects.		Referred to H.M. Inspector of Factories. (4)	Number of offences in respect to which Prosecut- ions were instituted. (5)
	Found. (2)	Remedied. (3)		
Nuisances under the Public Health Acts :—				
Want of cleanliness . . . . .	2	2	—	—
Want of ventilation . . . . .	—	—	—	—
Overcrowding . . . . .	—	—	—	—
Want of drainage to floors . . . . .	—	—	—	—
Other nuisances . . . . .	2	2	—	—
Sanitary Accommodation Insufficient, unsuitable or defective . . . . .	7	7	—	—
Not separate for sexes . . . . .	—	—	—	—
Offences under the Factory and Workshop Acts :—				
Illegal occupation of Un- derground Bakehouse (S. 101) . . . . .	—	—	—	—
Other Offences :— (Excluding offences relat- ing to outwork and offen- ces under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921) . . . . .	—	—	—	—
Total . . . . .	11	11	—	—

One Notice was received from H.M. Inspector of Factories during the year. The requirements were complied with after the service of formal notice under Section 22 of the Public Health Amendment Act, 1890.

The following table gives the various numbers of occupations herein :—

Cord Manufacturers	..	..	..	1
Dressmakers	..	..	..	1
Bakers and Confectioners	..	..	10	
Milliners	..	..	..	1
Garages	..	..	..	6
Laundries	..	..	..	1
Tailors	..	..	..	1
Builders	..	..	..	3
Plumbers	..	..	..	2
Boot Repairers	..	..	..	8
Joiners and Cabinet Makers	..	..	4	
Blacksmiths	..	..	..	2
Saddlers	..	..	..	1
Glass Makers	..	..	..	1
Brickworks	..	..	..	4
Spring Makers	..	..	..	1
Road Material Manufacturers	..	..	1	
Total				48

(i) RATS AND MICE (DESTRUCTION) ACT, 1919

Continual efforts have been made to deal with nuisances arising from rats, and informal action has taken place under the above Act.

The services of a Ratcatcher were again retained by the Council for the year, and his duties include the regular and periodical inspection of the refuse tips used by the Council, and other Council property. During the year 548 rats have been killed and 1340 Baits were laid. The tips were fairly free of rats at the end of the year.

(j) SMOKE ABATEMENT.

The Council is represented on the Northumberland and Durham Advisory Regional Smoke Abatement Committee.

Smoke observations are taken periodically.

Classes for Stokers were held at Rutherford College, Newcastle, during the year and the attention of the firms in the area was drawn to the course of lectures and demonstrations.



## (k) OFFENSIVE TRADES.

The trade of tripe boiling as carried on at the several slaughterhouses is supervised in conjunction with the routine visits thereto, and is generally satisfactory. The trades are governed by Byelaws, and the trade of fish fryer has been added to the statutory list of offensive trades. There are in the district three tripe boilers and fourteen fish fryers, all of whom conduct their business in a satisfactory manner and have been subject to periodical inspection.

During the year the trade of Rag & Bone Dealer was declared to be an "Offensive Trade" and Bye-laws have been made for the regulation of the business.

**HOUSING (Consolidated) REGULATIONS, 1925.**

Tabular Statement as required by Article 31, for Year 1934.

*Houses erected during the year :—*

	With State assistance.	Unaided.	TOTAL.
(a) By Local Authority ..	225	—	225
(b) By other Bodies or Persons	—	148	148

(1) *Inspection of Dwelling Houses during the year :—*

(1) (a)	Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) .. .. .	277
(b)	Number of inspections made for the purpose	586
(2) (a)	Number of dwelling houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 .. .. .	54
(b)	Number of inspections made for the purpose	56
(3)	Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation .. .. .	26
(4)	Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation .. .. .	102

(2) *Remedy of Defects without Service of Formal Notices.*

Number of defective dwelling houses rendered fit in consequence of informal action by Local authority or its officers .. .. .	88
---	----

(3) *Action under Statutory Powers :—*

(a) *Proceedings under Sections 17, 18, and 23 of the Housing Act, 1930 :—*

- |     |   |   |
|-----|---|---|
| (1) | Number of dwelling houses in respect of which |   |
|     | " notices " were served requiring repairs ..  | 2 |

- (2) Number of dwelling houses which were rendered fit after service of formal notices :—

- (a) By Owners .. .. . I

- |     |                       |    |    |  |
|-----|-----------------------|----|----|--|
| (b) | By Local Authority in |    |    |  |
|     | default of owners     | .. | .. |  |

(b) *Proceedings under Public Health Acts:—*

- |     |  |    |    |    |    |    |    |
|-----|--|----|----|----|----|----|----|
| (1) | Number of dwelling houses in respect of which notices were served requiring defects to be remedied | .. | .. | .. | .. | .. | I2 |
|-----|--|----|----|----|----|----|----|

- (2) Number of dwelling houses in which defects were remedied after service of formal notices :—

- (a) By Owners .. .. . I

- |  |    |    |
|--|----|----|
| (b) By Local Authority in<br>default of owners .. .. | II |    |
|  | —  | I2 |

(c) *Proceedings under Sections 19 and 21 of Housing Act, 1930 :—*

- |     |   |    |   |
|-----|---|----|---|
| (1) | Number of dwelling houses in respect of which Demolition Orders were made | .. | 2 |
|-----|---|----|---|

- (2) Number of dwelling houses demolished in pursuance of Demolition Orders .. .. .

(d) *Proceedings under Section 20 of the Housing Act, 1930* —

- |     |  |    |    |    |    |    |    |   |
|-----|--|----|----|----|----|----|----|---|
| (r) | Number of separate tenements or underground rooms in respect of which Closing Orders were made | .. | .. | .. | .. | .. | .. | — |
|-----|--|----|----|----|----|----|----|---|

- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit .. .. .

- |   |    |    |   |
|---|----|----|---|
| (4) No. of Houses Permanently Discontinued as<br>Dwellings and not included above | .. | .. | 4 |
|---|----|----|---|

The work in connection with the Clearance of Slums under the Housing Act, 1930, progressed steadily during 1934.

The following Clearance Orders were made during the year.

Middle Row, Lemington	..	..	16 houses.
Factory Row	„	..	3 houses.
Syntax Square	„	..	6 houses.
Black Row, West Denton	..	..	5 houses.
High Street, Newburn	..	..	3 houses.
Pumping Engine, Scotswood	..	..	9 houses.

The occupants of High Row (Lemington Clearance Area), and Carrs Row (Bells Close Clearance Area) were rehoused. The types of houses, together with the weekly nett rentals, rates and inclusive rentals is set out below :—

	Nett Rent.	Rates, incl. Water.	Inclusive Rent.
Old type—2 rooms with bathroom & scullery .	1/10	1/9	3/7
3 roomed flats—bathroom and scullery .. ..	2/9	2/6	5/3
4 roomed semi-detached self contained houses— bathroom & scullery .	3/8	3/1	6/9

The hydrogen cyanide method of fumigation was adopted with the consent of the tenants as a precautionary measure.

The following table shews the 5 year provisional programme submitted to the Minister of Health in 1933, together with a statement shewing the position in March, 1935.



**Copy of Provisional Programme, shewing position in March, 1933.**

CLEARANCE AREA.	No. of Houses to be demolished.	PRESENT POSITION.
1—High Row Area, Lemington ..	19	Clearance order made and confirmed. Tenants re-housed and houses demolished.
2—Carrs Row Clearance Area, Lemington ..	6	Clearance order made and confirmed in relation to 5 houses. Tenants re-housed and houses demolished. Other house dealt with as individual unfit house.
3—High Street Area, Newburn ..	3	Clearance order made and confirmed. } 16 houses }
4—Middle Row Area ..	20	{ Clearance order made and confirmed. } 1 house dealt with as individual unfit house.
5—Pumping Engine Area ..	9	{ Factory Row Clearance order made and confirmed 3 houses }
6—Syntax Square Area ..	6	Clearance order made and confirmed.
7—Carrs Cottage Area ..	10	Clearance order made and confirmed. } Ready for submission by M.O.H. after inspection by him.
8—High Square, Walbottle ..	10	{ Carrs Cottage, No. 1 area .. 3 houses }
9—Denton Square ..	15	{ Do. No. 2 area .. 3 houses }
10—Grove Bank Area, Walbottle ..	2	{ Do. No. 3 area .. 4 houses }
11—The Winning, Newburn ..	9	Ready for submission by M.O.H. after inspection by him. Area will be transferred to Newcastle in March, 1935. Houses converted into stable by owner. Winning Clearance Order No. 1 .. 2 houses } Ready for M.O.H. inspection and submission. Do. No. 2 .. 4 houses } .. 1 house not to be dealt with at present. .. 1 house in 2 flats inspected and report nearly completed for submission as individual unfit.
<b>IMPROVEMENT AREAS.</b>		
High Row, North Walbottle ..	8	Inspected but reports not completed.
Low Row, North Walbottle ..	7	Do. do.
Millfield, Newburn ..	—	Results achieved without the formality of a scheme.
Dewley Mill ..	4	Not yet inspected.
Black Row ..	5	Treated as Black Row Clearance Area.—Clearance order made and confirmed.
INDIVIDUAL UNFIT HOUSES (25)	25	This was a provisional number to be treated at the rate of 5 per annum—it included 8 houses at Denton Burn of which 3 have been demolished by the owners in anticipation of action under the Housing Act and for purposes of estate development and 5 houses which will be transferred to Newcastle Corporation when the boundary is extended at the end of March, 1935. One house has been altered and will be used as a shop in anticipation of action by Local Authority, under Housing Act.
at the rate of 5 per annum.		One house has been demolished by owner in anticipation of action under Housing Act.

## HOUSING (RURAL WORKERS) ACT, 1926.

There were no applications for assistance under the Act during 1934.

## INSPECTION AND SUPERVISION OF FOOD.

The bacteriological sampling of milk and the chemical examination of the samples for advisory purposes by means of the Gerber method was continued.

Further detailed particulars regarding the food supplies of the district will be found in later sections of the report.

### (a) MILK SUPPLY.

#### (1) *Milk and Dairies Order, 1926.*

The following is a summary of the particulars as recorded in the Register at the 31st December, 1934.

Number of persons registered as cow-keepers .. .. .	19
Number of premises registered as cow-sheds .. .. .	34
Number of cows kept on registered premises (approx.) .. .. .	438
Number of cowkeepers retailing milk ..	15
Number of persons registered as dairymen .. .. .	26
Number of persons registered as retail purveyors .. .. .	72
Number of cowkeepers outside district retailing in the area .. .. .	5
Number of dairymen outside the district retailing in the area .. .. .	10
Number of premises registered as dairies ..	27



Great credit must be given to the farmers and dairymen for their efforts to give the public a clean milk supply, and I have to thank them for their whole-hearted co-operation with your officials at all times.

(a) *Bacteriological Examination of Milk.*

The bacteriological examination of milk which was commenced in 1927 has been continued throughout the year. Four samples are taken annually from each supply and are examined for total bacterial count and bacillus coli content, and two samples examined annually for the presence of tubercle bacilli. Additional check samples are taken as and when required.

The following statement shows the number of examinations carried out, viz. :—

	Local.	Outside District.
Number of samples collected ..	85	28
Samples examined for total bacterial count .. ..	78	28
Samples examined for coliform bacilli .. .. .	78	28
Samples examined for tubercle bacilli .. .. .	46	16

The routine bacteriological examination of the milk supplies of the district is exceedingly useful, as it has instilled in a practical manner into the producers and retailers of the district, a clear understanding of the principles of clean milk production.

(a) TOTAL BACTERIAL COUNT.

The standard adopted is 200,000 organisms per cubic centimetre and samples containing more than this number are considered to be unsatisfactory. This standard may be considered to be too low, but as it is the standard permitted by the Milk (Special Designations) Order, 1923, for Grade A milk, it has been deemed inadvisable to fix a higher standard.

Of the 78 samples produced in the district, 73 or 93.6 per cent. were satisfactory. The average bacterial count of the 78 samples was 60,457 per cubic centimetre.

Of the 28 samples produced outside the area, 22 or 78 per cent. were satisfactory. The average bacterial count of the samples was 137,472 per cubic centimetre.

To summarise, of 106 samples examined for total bacterial count 95, or 89.6% were satisfactory, having an average count of 31,946. The average count of the 11 samples below the standard was 502,728 per cubic centimetre.

The following table gives comparisons for the last five years since the commencement of sampling for total bacterial count :—

Year.	Samples Taken.								Total Samples obtained.	% Total Satisfactory.	Av. Count of Satisfactory Samples.	Av. Count of Unsatisfactory Samples.
	Local Producers.				Producers outside Area.							
	Satisfactory.	Un-satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un-satisfactory.	Total.	% Satisfactory.				
1930	87	11	98	88.7	55	13	68	80.8	166	85.5	33,565	643,847
1931	87	5	92	94.5	52	6	58	89.6	150	92.6	36,101	1,430,909
1932	85	3	88	96.6	37	4	41	90.2	129	94.6	25,841	382,285
1933	79	4	83	95.2	20	6	26	77.0	109	90.8	8,697	911,120
1934	73	5	78	93.6	22	6	28	78.0	106	89.6	31,946	502,728

(b) COLIFORM BACILLI.

The standard adopted is that coliform bacilli should not be found in a smaller quantity of milk than one-tenth of a cubic centimetre; in effect, this means that there should not be more than 10 such organisms present in one cubic centimetre of milk. The value of this examination is considered to be very great as it is a definite indication

of excremental contamination. Coliform bacilli are normally present in the intestinal canal of the cow, being passed therefrom in the dung, hence their presence may fairly be considered to indicate gross contamination of the milk if found to a greater extent than that indicated above.

Of the 78 samples of milk produced in this district, 64 or 82% were satisfactory.

Of 28 samples of milk produced outside the area, 17 or 60% were satisfactory.

To summarise of 106 samples examined for coliform bacilli, 81 or 76% were satisfactory.

The following table gives comparisons for the last five years.

Year.	Samples Taken.								Total Samples obtained.	% of Total Satisfactory.
	Local Producers.				Producers outside Area.					
	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.		
1930	61	37	98	62	37	31	68	54	166	59
1931	70	22	92	76	45	13	58	77	150	76
*1932	75	13	88	85	29	12	41	70	129	80
1933	65	18	83	78	14	12	26	53	109	72
1934	64	14	78	82	17	11	28	60	106	76

\* Five samples were sterilized milk from outside the area.

### (c) TUBERCLE BACILLI.

46 samples of milk produced in the district were examined of which 3 or 6.5% were positive. 16 samples of milk produced outside the area were examined and 2 were positive giving a percentage of 12.5.

To summarise, of the 62 samples examined for the presence of tubercle bacilli, 5 or 8.0% gave positive results.



When samples are taken from a large herd, samples are submitted for biological examination from each byre.

The following table gives the comparisons for the last five years :—

Year.	Samples Taken.								Total Samples obtained.	% of Total Positive.
	Local Producers.				Producers outside Area.					
	Negative.	Positive.	Total.	% Positive.	Negative.	Positive.	Total.	% Positive.		
1930	47	—	47	—	32	2	34	5.8	81	2.4
1931	42	3	45	6.6	29	2	31	6.4	76	6.5
1932	38	2	40	5.0	24	—	24	—	64	3.1
1933	50	4	54	7.4	13	1	14	7.1	68	7.4
1934	43	3	46	6.5	14	2	16	12.5	62	8.0

(d) SUMMARY.

In all 113 portions of milk were obtained during the year for foregoing examination and of this total, 81 or 71.6% were satisfactory in every respect.

The following table shows comparisons of results of the examinations for the last five years of all the samples taken.

Year.	Samples Examined.								Total Satisfactory.	Total Unsatisfactory.	Total Examined.	% of Total Satisfactory.
	Local Producers.				Producers outside Area.							
	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.	Satisfactory.	Un- satisfactory.	Total.	% Satisfactory.				
1930	65	39	104	60	34	34	68	50	99	73	172	57.5
1931	69	23	92	75.0	41	17	58	70.6	110	40	150	73.3
1932	71	17	88	80.7	27	14	41	65.9	98	31	129	75.9
1933	69	22	91	75.8	12	14	26	46.1	81	36	117	69.1
1934	67	18	85	78.8	14	14	28	50.0	81	32	113	71.6

(3) *Tuberculosis Order, 1925*

The Tuberculosis Order of 1925 is administered by the County Council.

As result of the routine sampling of milk, notifications were sent to the County Medical Officer of Health during the year of the 3 positive T.B. samples within the area and of the 2 positive samples outside the area.

The farms were visited by the County Veterinary Inspector and the necessary action taken under the above Order.

(4) *Sterilized Milk.*

Eight samples of sterilized milk produced outside the area were obtained during the year. The plates of 7 samples were sterile. *Bacillus Coli* was absent in .01 c.c. In the remaining sample *B. Coli.* was absent in one c.c. and the total bacterial count was 976,000.

2 samples were submitted for biological examination for T.B., neither were positive.

(5) *Graded Milk.*

CERTIFIED :—

4 samples were obtained and all conformed with the standard for Certified Milk, viz. :—No. *B. Coli* in one-tenth of a cubic centimetre and not more than 30,000 bacteria per c.c.

One sample was submitted for biological examination for Tubercle Bacilli and the result was negative.

GRADE A. T.T.

12 samples of Grade A. T.T. Milk were obtained; 11 conformed with the Grade A. T.T. Standard, viz. :—No *B. Coli* in .01 c.c. and not more than 200,000 bacteria per c.c.

Two Samples were unsatisfactory as regards the *B. Coli.* standard.

6 samples were submitted for the tubercle bacilli examination and were negative.



## PASTEURISED.

11 Samples of Pasteurised Milk were obtained and 10 conformed with the standard, viz.:—total bacterial count not to exceed 100,000 per c.c.

There is no B. Coli standard for Pasteurised Milk, but applying our local standard for satisfactory ordinary milk, 3 (including the sample which did not comply with the bacterial count standard) could be regarded as unsatisfactory.

Two samples were submitted for the tubercle bacilli examination and were negative.

## (b) MEAT.

(1) *Meat Inspection.*

The following summary shows the work done under the Public Health (Meat) Regulations, 1924, during the year, 1934.

Number of Notices received :—

## (a) Slaughterhouses—

(a) Killing on definite days	..	6	
(b) Occasional killing	..	66	
		—	72

Number of Visits paid :—

(a) Slaughterhouses	..	..	..	392
(b) Butchers' Shops etc.	..	..	..	139
			—	531

Number of bovine carcasses examined .. 516

Number of sheep carcasses examined .. 2047

Number of pig carcasses examined .. 378

— 2941

All animals slaughtered in the area were examined.

As a result of these inspections and examinations, 184 separate diseased or unsound conditions were discovered and the carcasses or organs dealt with. Details of the conditions are given below :—

<i>Bovine Carcasses.</i>				<i>Weight lbs.</i>
50	Separate seizures affected			
		with Tuberculosis	. .	937
43	do.	Cirrhosis	. .	375
44	do.	Abscesses	. .	666
2	do.	Inflammation	. .	7
7	do.	Liver Fluke	. .	45
				—— 2030

*Sheep Carcasses.*

1	Separate seizure (Moribund)		. .	34
1	do.	affected with Septicæmia		50
2	do.	do.	Abscesses .	9
1	do.	do.	Parasites .	4
1	do.	do.	Cirrhosis .	4
				—— 101

*Pork Carcasses.*

30	Separate seizures affected			
		with Tuberculosis	. .	267
2	do.	Pneumonia	. .	8
				—— 275

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Total weight of Meat dealt with . 2,336 lbs.

By comparison with the number of carcasses inspected the following table has been compiled showing the incidence of disease in the different food animals for the last five years.

Animals.	All Diseased Conditions.				Tuberculosis.			
	Slightly Affected.		Extensively Affected.		Slightly Affected.		Extensively Affected.	
	No.	%	No.	%	No.	%	No.	%
BOVINES—								
1930	163	33.20	2	0.40	26	5.30	2	0.40
1931	190	35.44	1	0.18	44	8.20	1	0.18
1932	172	34.46	1	0.20	36	7.21	1	0.20
1933	170	31.50	—	—	49	8.97	—	—
1934	95	18.41	—	—	50	9.69	—	—
SHEEP—								
1930	5	0.31	2	0.12	—	—	—	—
1931	12	0.64	2	0.10	—	—	—	—
1932	21	1.01	1	0.04	—	—	—	—
1933	15	0.69	1	0.04	—	—	—	—
1934	4	0.19	2	0.09	—	—	—	—
PIGS—								
1930	13	3.14	—	—	9	2.17	—	—
1931	53	8.50	2	0.32	23	3.69	—	—
1932	32	4.70	—	—	25	3.67	—	—
1933	59	11.13	6	1.13	51	9.62	4	0.75
1934	32	8.46	—	—	30	7.93	—	—

No chilled meat was condemned during the year. The butchers of the district are to be congratulated on the quality of their purchases as is evidenced by the small percentage of meat condemned. They are always willing to co-operate at all times with your officials.

Much meat from outside the area has been inspected in the butchers' shops. In some cases the carcasses had not been inspected, and in some cases it was found necessary to condemn certain portions of the carcass as diseased.

*(2) Stalls, Shops, Stores and Vehicles.*

The provisions of the Regulations have been complied with in a fairly satisfactory manner. Several infringements of the Regulations have been remedied as a result of informal action.

*(3) Slaughterhouses.*

There are in the district nine licensed slaughterhouses subject to annual licenses expiring on the 31st December of each year. Five of these have been in regular use throughout the year, and the other four have not been used during the year.

*(c) SALE OF FOOD (ADULTERATION) ACT 1928.*

This Act is administered by the Northumberland County Council, and appended below is a statement of the samples taken under the Act within the Newburn Area during the past year. This is reproduced through the kindness of Superintendent Tough, Deputy Chief Constable, who is the Inspector for this district under the Act.

**FOOD AND DRUGS.**

Samples of Food and Drugs taken for analysis in the Newburn Urban Area during the year 1934 :—

No. of Samples Taken.	Description of Article.	Result of Analysis.		Vendor Prose- cuted.
		Genuine.	Not Genuine.	
3	Tea .. ..	3	—	—
2	Dried Milk .. ..	2	—	—
3	Ground Almonds .. ..	3	—	—
4	Ground Rice .. ..	4	—	—
1	Cream of Tartar .. ..	1	—	—
2	Ground Ginger .. ..	2	—	—
2	Baking Powder .. ..	2	—	—
1	Sugar .. ..	1	—	—
3	Semolina .. ..	3	—	—
2	Margarine .. ..	2	—	—
3	Sausage .. ..	3	—	—
23	New Milk .. ..	21	2	No Proceed- ings Taken.
1	Lard .. ..	1	—	—
1	Vinegar .. ..	1	—	—
1	Whiskey .. ..	1	—	—
1	Beer .. ..	1	—	—
53	TOTAL ..	51	2	—

PUBLIC HEALTH PROPAGANDA,

The scheme of Public Health Propaganda was continued throughout the year.

T. W. WALTON,

CHIEF SANITARY INSPECTOR.

*May, 1935.*



# ADMINISTRATIVE COUNTY OF NORTHUMBERLAND.

## NEWBURN URBAN DISTRICT COUNCIL.

Chief Sanitary Inspector's Annual Summary required by County Council,  
Year ending 31st December, 1934.

CLASSIFICATION.	No. of Inspections during Year.	No. of Defects or Contravention of Bye-laws.	No. Outstanding from Previous Year.	Total.	No. Remedied after Letter or Interview.	No. of Informal Notices served.	Defects Remedied there- after	No. of Statutory Notices Served.	Defects Remedied there- after	In Progress or being dealt with.	Legal Proceedings.
<b>Housing.</b>											
{ Structural Defects ..	{ 586	263	814	1077	22	{ 53	463	{ 2	8	584	..
Defective Food Store ..	6	6	56	62	..	2	38	1	..	24	..
Dampness ..	5	13	37	50	2	1	13	1	1	34	..
Overcrowding ..	5	1	..	1	1	5	..	..	..	..	..
Nuisances ..	43	7	..	7	5	..	..	..	..	2	..
<b>Water Supply.</b>											
{ Insufficient ..	4	11	1	12	2	3	9	..	..	1	..
Unsatisfactory ..	6	2	..	2	1	1	1	..	..	..	..
<b>Drainage.</b> (Includ- ing sink w.p. etc.) { Insufficient ..	13	..	30	30	..	9	24	..	..	6	..
Defective ..	31	70	18	88	31	..	43	..	..	14	..
<b>Sanitary Con- veniences.</b>											
{ Insufficient ..	17	14	2	16	1	..	2	11	11	2	..
Defective ..	32	48	82	130	9	10	46	1	1	74	..
Shops, Food Stores, etc. ..	166	11	..	11	10	..	..	..	..	1	..
Dairies, Cowsheds and Milkshops ..	281	63	10	73	60	..	10	..	..	3	..
Slaughter Houses ..	392	2	..	2	2	3	..	..	..	..	..
Tents, Vans, etc. ..	14	3	..	3	..	3	3	..	..	..	..
Offensive Trades ..	31	3	..	3	3	3	..	1	1	..	..
Workshops and Workplaces ..	59	11	..	11	2	3	8	..	..	..	..
Keeping of Animals ..	14	1	..	1	1	14	32	..	..	30	..
Insanitary Ashpits and Receptacles ..	437	188	28	216	154	..	..	..	..	..	..
Ashpits Improperly used ..	..	..	..	..	..	..	1	..	..	..	..
Offensive accumulations ..	16	9	..	9	8	..	..	..	..	..	..
Smoke Nuisances ..	5	..	..	..	..	..	..	..	..	..	..
Petrol Stores ..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	2157	726	1078	1804	314	96	693	15	22	775	..





